

Title (en)
Bridge dilatation joint and the method of its manufacture.

Title (de)
Brückendehnungsfuge und deren Herstellungsverfahren.

Title (fr)
Joint de dilatation de pont et son procédé de construction.

Publication
EP 0308887 A2 19890329 (EN)

Application
EP 88115466 A 19880921

Priority
CS 678887 A 19870921

Abstract (en)
The bridge dilatation joint consists of the pair of blocks interconnected by a flexible sealing profile (16), each block being formed by at least three vertically stacked layers (1, 2, 3) of plastic concrete compound. At least the two lower layers (1, 2) can be anchored to the bridge structure (5, 6) through an impregnation base coating (7). For manufacture said bridge dilatation joint the impregnation coating is applied along the two edges of a dilatation gap (4) onto the roughened bridge structure (5, 6). After fixing the gapshape the both first joint layers (1) are casted in the thickness of the level of the courses of roadway structure (9). After applying an appropriate waterproof insulation (10) on the levelling courses (9) and the first layers (1), the second layers (2) are casted in the thickness of the total height of a protective covering (11) and the bearing course (12) of roadway structure. On the bearing course (12) and said second layers (2) provided with a separator layer (13), the continuous wearing course (15) is laid and thereafter removed from the second layers (2) together with the separator (13). The dilatation gap (4) is then covered with a flexible sealing profile (16), and the second layers (2) are coated with an adhesive film. Then the two segments of the third layer (3) are casted in a thickness to the level of the running surface of the wearing course. The empty part of the dilatation gap between the two third layer segments is then filled with a flexible sealing material (17).

IPC 1-7
E01D 19/06

IPC 8 full level
E01C 11/04 (2006.01); **E01D 19/06** (2006.01)

CPC (source: EP US)
E01D 19/06 (2013.01 - EP US)

Cited by
CN110241743A

Designated contracting state (EPC)
AT DE FR GB IT

DOCDB simple family (publication)
EP 0308887 A2 19890329; **EP 0308887 A3 19900314**; CS 265399 B1 19891013; CS 678887 A1 19890210; DD 282487 A5 19900912; SU 1667636 A3 19910730; US 4963056 A 19901016

DOCDB simple family (application)
EP 88115466 A 19880921; CS 678887 A 19870921; DD 31995588 A 19880920; SU 4356518 A 19880920; US 25643888 A 19881012